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(54) METHOD FOR HIGH SPEED PRINTING IN INK JET PRINTER

a drive timing signal V-SynC with a printing control part 13.

(57) Abstract:

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**PURPOSE:** To realize polychromatic color printing and monochromatic high speed printing with one printer by forming printing lines at right angles without changing a nozzle angle by a method wherein a carriage transfer speed in a monochromatic printing mode is made a plurality of times the carriage transfer speed as a printing cartridge in color printing is provided.

**CONSTITUTION:** In monochromatic printing wherein a printing cartridge of four colors is changed to four cartridges of the same color, when the carriage is moved (the transfer speed is four times that in polychromatic printing) and i, H, P sensor detects a data, the data is inputted to an image data conversion part 10 via PIXEL DATA, divided into 8 bit data corresponding to each cartridge, and stored in an image memory 11. In order to compensate for a fitting position of each head, a start edge of V, ENB is counted. An image data of each printing head (BK<sub>1-4</sub>) is read from the counted value, and the image data corresponding to each printing head is sent to a FIFO memory 12 in an 8 bit unit. A control signal and the image data are taken in synchronism with

